

# IBM

## Exam 000-102

### High Availability for AIX - Technical Support and Administration

Version: 5.0

[ Total Questions: 81 ]

**Question No : 1**

A customer is in the process of testing their configuration prior to going live. The administrator discovers that PowerHA is taking 31 seconds to deal with a standard NIC failure. What can the administrator do to speed up the process of NIC failure detection and diagnosis?

- A. Tune the topsvcs NIM settings.
- B. Tune the grpsvcs NIM settings.
- C. Activate the fast failure detection (FFD) feature.
- D. Activate the Gigabit fast failover feature on the physical adapters.

**Answer: A**

**Question No : 2**

An administrator has checked the status of volume group VG1, using the command `svg VG1` and receives the following message: An administrator has checked the status of volume group VG1, using the command `?svg VG1?` and receives the following message: 0516-034 : Failed to open VG special file. Probable cause is the VG was forced offline. Execute the `varyoffvg` and `varyonvg` commands to bring the VG online. When the administrator attempts the `varyoffvg` the same error is displayed. The administrator then runs a series of commands in order to determine the problem `Issrc -a ... IBM.ServiceRM rsct_rm 17550 active clstrmgrES cluster 19112 active`

```
topsvcs topsvcs 22194
```

```
active grpsvcs grpsvcs 6220
```

```
active gscsvmd inoperative IBM.ERRM rsct_rm inoperative IBM.AuditRM rsct_rm
inoperative
```

```
grpplsm
```

```
grpsvcs
```

```
inoperative Issrc clcomdES Issrc ? clcomdES Subsystem Group PID Status clcomdES
clcomdES
```

```
inoperative lspv hdisk0 00538daa5a55f5a7
```

```
rootvg active hdisk1 00538daa83c8d5e7 rootvg active hdisk2 00435f1bf64f8b01 VG1
hdisk3
```

00435f1bf64fae6d VG1 Given the output from the above commands, which of the following is the most likely cause of the problem?

- A. Cluster services are inactive.
- B. The gsclvmd subsystem is inactive.
- C. The clcomdES subsystem is inactive.
- D. The volume group is active on another node.

**Answer: B**

### Question No : 3

An administrator is configuring an application monitor. Upon encountering an unrecoverable error the administrator does not want the resource group to failover. How can the application monitor be configured to achieve this?

- A. Configure the application monitor with a restart count of 0
- B. Configure the application monitor with a monitor mode of otify
- C. Configure the application monitor with a notify method of onitor
- D. Configure the application monitor with a failure action of otify

**Answer: D**

### Question No : 4

A customer has just deployed a new cluster using IPAT via Aliasing with both service and persistent IP addresses in the same network address range, as follows: node1 node2

n1\_persistent (9.1.1.100) n2\_persistent (9.1.1.200) Res\_groupA: Res\_groupB:  
serviceA\_1(9.1.1.10)

serviceB\_1 (9.1.1.20) serviceA\_2 (9.1.1.30)

serviceB\_2 (9.1.1.40) Synchronization and start-up is successful. However, the users are complaining they cannot work with the application. Which of the following will allow the

users to access the application?

- A. Switch to IPAT via replacement style networking.
- B. Set the AIX network option `mpr_policy` to use a hash-based algorithm.
- C. Change the Distribution Preference of the network to "Collocation with Persistent Label."
- D. Change the Distribution Preference of the network to "Anti-collocation with Persistent Label."

**Answer: C**

#### Question No : 5

A customer who has a two node PowerHA cluster, with each node being at a different site and using cross site LVM, plans to add a third heartbeat to further reduce the chance of data divergence or partitioned cluster. The heartbeat will make use of spare adapters in the nodes. However, the heartbeats must go via an external network requiring static routes to be added for cluster functionality. How can this be achieved?

- A. Configure the static route in the `/etc/rc.net` file
- B. Using application Start/Stop scripts to manage the static route
- C. Configure Pre and Post event commands to manage the static route
- D. Using `smitty route` command to create the static route and update the ODM

**Answer: C**

#### Question No : 6

An administrator will be performing a PowerHA upgrade on a cluster from version 5.3 to version 5.5. Which of the following tasks will verify a successful migration?

- A. Use the `clstat` command and verify the cluster is in a stable state.
- B. After each node is upgraded, run a verification and synchronization.
- C. After all nodes are upgraded, run a verification and synchronization.
- D. Take a snapshot of each node and verify the configuration is the same.

**Answer: C**

**Question No : 7**

A customer has a resource group rg1 configured on a two node cluster with the following policies:

Resource Group Name [rg1] Participating Nodes (Default Node Priority) [Node2 Node1]  
StartupPolicy Online On First Available Node Fallover Policy Fallover To Next Priority Node  
In The ListFallback Policy Fallback To Higher Priority Node In The List  
The customer has observed the following scenarios as nodes join the cluster during cluster start up. Scenario 1 Node1 joins cluster as first node - rg1 is acquired by Node1 Node2 joins cluster as second node - rg1 is moved from Node1 to Node2 Scenario 2 Node2 joins cluster as first node - rg1 is acquired by Node2 Node1 joins cluster as second node - rg1 remains on Node2 Which of the following is the reason for this behavior?

- A. rg1 is configured with a delayed fallback timer
- B. Settling time policy has not been configured for rg1
- C. Node1 does not have sufficient resources to support rg1
- D. Node2 is the first in the 'Default Node Priority' list for resource group rg1

**Answer: D**

**Question No : 8**

An administrator will use the discovery process to capture information about common cluster storage. Which of the following commands should the administrator run on each participating node against the shared disk hdisk3 to ensure that this disk is successfully identified by the discovery process?

- A. `chpv -ay hdisk3`
- B. `cfgmgr -l hdisk3`
- C. `chdev hdisk3 pv=yes chdev ? hdisk3 ? pv=yes`
- D. `chdev hdisk3 reserve_policy=no_reserve chdev ? hdisk3 ? reserve_policy=no_reserve`

**Answer: C**

**Question No : 9**

A customer wants to configure two resource groups and create the following shared filesystem structure: Resource Group Filesystem Mount Point Rg1/app1 Rg2/app1/data /app1/data/log Which of the following will ensure the proper mount order for these filesystems?

- A. Set filesystem recovery method to parallel
- B. Set filesystem recovery method to sequential
- C. Set filesystem recovery method to parallel and configure a parent/child relationship for the resource groups
- D. Set filesystem recovery method to sequential and configure a parent/child relationship for the resource groups

**Answer: D**

**Question No : 10**

Which of the following options are valid choices for cluster communication security?

- A. rsh and ssh
- B. Standard and VPN
- C. .rhost and .shosts
- D. Classic and Enhanced

**Answer: B**

**Question No : 11**

Which additional application must be installed in order to use WebSMIT?

- A. Mozilla for AIX
- B. An Apache compliant Web server
- C. Web Based System Manager (WebSM)
- D. Websphere Application Server Community Edition

**Answer: B**

**Question No : 12**

An administrator has made several topology and resource group changes on one node in a running cluster. During verification and synchronization, using the "Emulate" option, many errors are reported. The administrator decided the best course of action was to roll back the changes. Prior to the changes being made, a cluster snapshot was taken. Which of the following actions will roll back the changes with the least disruption?

- A. Perform a synchronization from a node without the changes.
- B. Apply the cluster snapshot on both nodes while the cluster is running.
- C. "Restore HACMP Configuration Database from Active Configuration" on the node where the changes were made.
- D. Stop the cluster using the option "Unmanage Resource Groups" and apply the cluster snapshot on the node where the changes were made.

**Answer: C**

**Question No : 13**

An administrator has a legacy cluster running version 4.5/ES and would like to update to version 5.5. Which of the following is a valid upgrade path?

- A. 1. Upgrade from 4.5 to 5.1  
2. Upgrade from 5.1 to 5.5
- B. 1. Upgrade from 4.5 to 5.2  
2. Upgrade from 5.2 to 5.5
- C. 1. Upgrade from 4.5 to 5.3  
2. Upgrade from 5.3 to 5.5
- D. 1. Upgrade from 4.5 to 5.4.1  
2. Upgrade from 5.4.1 to 5.5

**Answer: C**

**Question No : 14**

An administrator has a 2 node cluster running PowerHA version 5.5. They remove a resource group from the active cluster configuration. When performing a verify and